



August 18, 1998

Ms. Sue Thayer  
Vermont Department of Environmental Conservation  
Waste Management Division  
103 South Main St. / West Bldg.  
Waterbury, VT 05671-0404

RE: Granite Importers, Barre, VT UST Change in Use Inspection ID #4765812

Dear Ms. Thayer:

On August 13, 1998, Griffin conducted a change in use inspection of one 6,900-gallon underground storage tank (UST) at the Granite Importers facility, located at 16 South Vine Street in Barre, VT. Enclosed are the UST change in use forms, a boring log, and laboratory analytical reports.

The UST is owned by Granite Importers. The UST has a capacity of 6,900 gallons and was formerly used to store diesel fuel for use in the company's vehicles. The UST will now be used to store No. 2 fuel oil for use in heating the on-site facility. The tank is approximately 19 years old and is constructed of unprotected single-walled steel. The tank reportedly measures seven feet in diameter and is buried beneath three to four feet of cover.

Soil borings were installed at the site in order to assess soils in the subsurface in the vicinity of the UST. The borings were advanced under the direct supervision of a Griffin engineer by Adams Engineering of Underhill, Vermont with the use of a mini-rig vibratory driven sampling device. Seven soil borings were advanced in the direct vicinity of the tank. Due to repeated drilling refusal reportedly due to a former buried foundation, only one boring was able to be completed below the bottom of the UST. This boring (SB-1) was advanced on the northern corner of the UST to a depth of 12 feet below grade. According to the site contact, Mr. Andy Lord, SB-1 is in a hydraulically down gradient direction with respect to the UST, based on a groundwater flow direction determined in previous site work. Refusal was consistently met by all other borings (SB-2A through SB-2F) at a depth of 2.5 feet below grade.

P.O. Box 943 • Williston, VT 05495 • Phone/Fax 802-865-4288  
59 Clinton Street • Plattsburgh, NY 12901 • 518-562-4666 • Fax 518-561-6832

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Undisturbed soil samples, collected from each boring with the sampler, were logged by the supervising engineer and screened for the presence of volatile organic compounds (VOCs) using an HNu™ systems Model HW 101 photo ionizing detector (PID). Soils were screened using the Griffin Jar/Polyethylene Bag Headspace Screening Protocol, which conforms to state and industry standards. Detailed soil descriptions and VOC concentrations are listed on the attached boring log.

SB-1 was advanced to a depth of 12 feet below grade; the water table was encountered at a depth of 6.5 feet below grade. Soils encountered in the vicinity of SB-1 consisted of medium gravel and fine sand overlain by fine silt and clay. No olfactory evidence of petroleum contamination was identified in the soils recovered from SB-1; the soils recovered from SB-1 were non-detect for VOCs by PID. Soils samples collected for field screening from each of the other six borings were also non-detect for VOCs.

Following the installation of the soil borings, the on-site Griffin engineer contacted Mr. Andrew Shively of the VTDEC to report the results of the site assessment. Mr. Shively indicated that while he would like to see more data, the one soil boring, SB-1, is sufficient to assess the soils and groundwater for purposes of the UST change in use site assessment. Mr. Shively indicated that the VTDEC will not likely request additional investigative work at the site relative to the 6,900-gallon UST.

One soil sample was collected from SB-1 at the depth of the soil/water interface (i.e. 6.5 feet below grade). The soil sample was collected to define the potential existence of gasoline contamination emanating from the upgradient property Rossi Trucking, which is listed as an active hazardous waste site (#91-1065) with the Vermont Department of Environmental Conservation (VTDEC). This sample was submitted to Endyne, Inc. laboratory of Williston, Vermont for analysis of VOCs by EPA Method 8021B, polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8270, and total petroleum hydrocarbons (TPH) by EPA Method 8015. This scope of work was additional to the UST change of use site assessment, as requested by the site owner.

Results of the analyses indicate the presence of methyl tertbutyl ether (MTBE) in a concentration of 77.8 parts per billion (ppb). This is well below the standard of 10,000 parts per million (ppm) as identified by the EPA Region III Risk-Based Concentrations Table (October 22, 1997) for soils in an industrial setting. None of the other compounds targeted by the analyses were detected in concentrations above method detection limits.

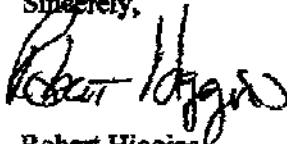
The area surrounding the site is primarily industrial and commercial. The nearest surface water is the Stevens Branch of the Winooski River which is located approximately 100 to 150 feet northeast of the site. As the area is served by municipal water, there is limited risk of impact to local drinking water. Given the negligible impact to the subsurface soils and

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groundwater in close vicinity to the subject UST, no further investigative efforts are recommended at this site in relation to the change of use of the 6,900 gallon UST.

Please call me with any questions that you may have regarding this change of use inspection or the site in general.

Sincerely,



Robert Higgins  
Engineer

Att

cc: 89841276

Mr. Mike Sack, GE Capital  
Mr. Andy Lord, Granite Importers  
Mr. Andrew Shively

AUG-18-1998 16:54

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802 865 4288 P.05

**CHANGE IN USE**  
**UNDERGROUND STORAGE TANK PERMANENT CLOSURE FORM**  
 Vermont Agency of Natural Resources, Department of Environmental Conservation, Waste Management Division  
 103 South Main Street, West Building, Waterbury, Vermont 05671-0404, Telephone: (802) 241-3888

Agency Use Only  
 Date of scheduled activity: 8/18/98 Facility ID: 111000012 Closing: tanks, piping, system  
 DEC initials: SL SMS: / DEC evaluator: /

**Section A. Facility Information:**

Name of facility: GRANITE IMPORTERS Number of employees: 1  
 Street address: 10 Saint V. St. Barre Town/city: Barre  
 Owner of UST(s) to be closed: Granite Importers Contact (if different than owner): Andy Goss  
 Mailing address of owner: PO Box 112 Barre VT 05641  
 Telephone number of owner: 476-5512 Contact telephone #: 476-5512

**Section B. UST Closure Information: (please check one)**

Reason for initiating UST closure: Suspected Leak Liability Replacement Abandoned N/A

USTs (piping is considered a part of UST system) undergoing **CHANGE IN USE** permanent closure. Include condition of UST's

UST #	Product	Size (gallons)	Tank age	Tank Condition	Piping age	Piping condition
<u>1</u>	<u>Diesel</u>	<u>6900</u>	<u>14/0</u>	<u>Unknown</u>	<u>14/0</u>	<u>Unknown</u>

Which tanks, if any, will be closed in-place: UST# 0 Authorized by: N/A Date: 1/1  
 Disposal/destruction of removed UST(s): Location N/A Method N/A Date: 1/1  
 Amount (gal.) and type of waste generated from USTs: N/A  
 (tank contains are hazardous wastes unless recovered as usable product)  
 Tank cleaning company (must be trained in confined space entry): N/A  
 Certified hazardous waste hauler: N/A Generator ID number: N/A

**Section C. Initial site characterization:**

Work in this section must be completed by a professional environmental consultant or hydrogeologist with experience in environmental sampling for the presence of hazardous materials. A full report from the consultant must accompany this form.

Excavation information: (some tank pulls require more than one excavation)

Tank(s) # and Excavation (A,B,C,etc)	Depth (ft)	Excavation size (ft)	Peak PID reading	Depth of Peak (ft)	Avg PID reading	Bedrock Depth (ft)	Groundwater encountered? (yes) and at depth (ft)	Soil type
<u>Barre #1</u>	<u>12</u>	<u>N/A</u>	<u>0</u>	<u>N/A</u>	<u>0</u>	<u>unk</u>	<u>Y ~6.5'</u>	<u>Silt. Clay. Sand</u>

Dig Site Number: 1980-1089-33

PID information:

Make: HNU Model: HW-101 Calibration information (date, time, gas): 8/18/98 / Carylene B:10

Locate all readings and samples on site diagram

Number of soil samples collected for laboratory analysis? 1 results due date 8/18/98  
 Have any soils been polycapsulated on site? Yes (yds) PID range above zero   No    
 Have any soils been transported off site? Yes (list amount (yds)) No    
 Location transported to: N/A DEC official who approved: N/A  
 Amount of soils backfilled (yds): N/A PID range above zero    
 Have limits of contamination been defined? Yes N/A  
 Is there any other known contamination on-site? Yes   No   Comments: believe to come from Rossi Trail

Free Phase product encountered? Yes   thickness   sheen   No    
 Groundwater encountered? Yes   depth (ft) 6.5 No    
 Are there existing monitoring wells on-site? Yes   how many: 3 (locate on site diagram) No    
 Have new monitoring wells been installed? Yes   how many:   (locate on site diagram) No    
 Samples obtained from monitoring wells for lab analysis? Yes   results due date 8/18/98 No    
AS PART OF REMEDIATION WORKSHEET - NO LAB SAMPLES IN USE AT PRESENT  
 Is there a water supply well on site? Yes   (check type: shallow rock spring) No    
 Number of public water supply wells are located within a 0.5 mile radius? 0 min. distance (ft.): unk  
 Number of private water supply wells located within a 0.5 mile radius? 0 min. distance (ft.): unk

Receptors impacted?   soil   indoor air   ambient air   groundwater   surface water   water supply

Facility ID# 4765812

**Section D: Tanks/Piping Remaining/Installed**

Regardless of size, include USTs at site as to status, e.g. "abandoned", "in use", or "to be installed". (Most installations require permits and advance notice to this office.)

UST#	Product	Size (gallons)	Tank age	Tank status	Piping age	Piping Status
1	260101	6,900	19/15	to be in use	19/15	to be in use

There are no other tanks at this site.

**Section E: Statements of UST closure compliance:**

(must have both signatures or site assessment not complete)

As the party responsible for compliance with the Vermont UST Regulations and related statutes at this facility, I hereby certify that all of the information provided on this form is true and correct to the best of my knowledge.

Signature of UST owner or owner's authorized representative

8/18/98  
Date of signature

As the environmental consultant on site, I hereby certify that the site assessment requirements were performed in accordance with DEC policy and regulations, and that information which I have provided on this form is true and correct to the best of my knowledge.

Signature of Environmental Consultant

Company: GREEN INTERNATIONAL

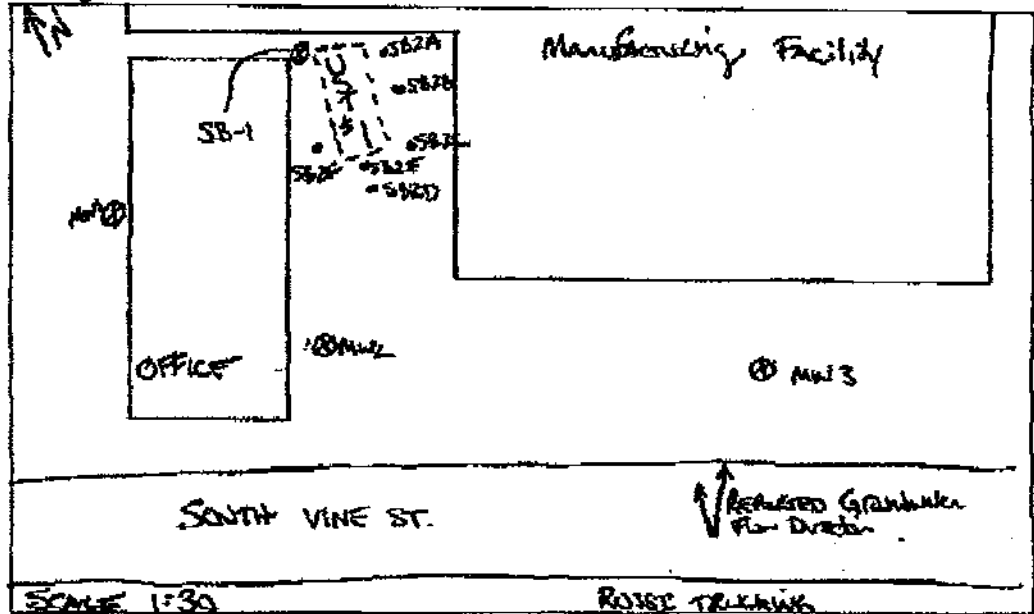
Telephone: 773-423-1234

8/13/98  
Date of signature

Date of Closure: 8/13/98 Date of Assessment: 8/13/98

Return form along with complete narrative report and photographs to the Department of Environmental Conservation (DEC), Underground Storage Tank Program within 72 hours of closure.

**Site diagram**



This Closure Form may only be issued for the facility and the date indicated at top of page 1. Changes in the scheduled closure date should be phoned in at least 48 hours in advance. Both the yellow and white copies of this form must be returned to the address on the top of page 1 of this form: the pink copy should be retained by the UST owner. A written report from an environmental consultant covering all aspects of closure and site assessment, complete with photographs and any other relevant data, must accompany this form. All procedures must be conducted by qualified personnel, to include training required by 29 CFR 1910.120. Documentation of all methods and materials used must be adequate. All work must be performed in compliance with DEC policy "UST Closure and Site Assessment Requirements" as well as all applicable statutes, regulations, and additional policies. The DEC may reject inadequate closure forms and reports.



**ENDYNE, INC.**

Laboratory Services

32 James Brown Drive  
Williston, Vermont 05495  
(802) 878-4333  
FAX 879-7103

LABORATORY REPORT

EPA METHOD 8216 COMPOUNDS BY GC/MS SOIL MATRIX

CLIENT: Griffin International  
PROJECT NAME: Granite Imports #2841323  
REPORT DATE: August 17, 1998  
DATE SAMPLED: August 13, 1998  
DATE RECEIVED: August 14, 1998  
ANALYSIS DATE: August 17, 1998

PROJECT CODE: GIGR1243  
REF #: 125,594  
STATION: SB-1  
TIME SAMPLED: 8:40  
SAMPLER: R. Higgins

Parameter	Detection Limit (ug/kg)	Result as received (ug/kg)
Benzene	10	ND <sup>1</sup>
Ethylbenzene	10	ND
MTBE	20	77.8
Naphthalene	50	ND
1,2,4-Trimethylbenzene	10	ND
1,3,5-Trimethylbenzene	10	ND
Toluene	10	ND
Total Xylenes	20	ND

PERCENT SOLID: RTP<sup>3</sup>

NUMBER OF UNIDENTIFIED PEAKS FOUND: 1<sup>2</sup>

ANALYTICAL SURROGATE RECOVERY:

Dibromofluorobenzene : 102.7%  
Toluene-d8 : 89.7%  
4-Bromofluorobenzene : 85.7%

NOTES:

1 None detected

2 Result to follow

3 TPM by modified EPA method 8015 is none detected. Method detection limit is 1.0 mg/kg.



**ENDYNE, INC.**

**Laboratory Services**

32 James Brown Drive  
Williston, Vermont 05495  
(802) 875-4333  
FAX 875-7103

**LABORATORY REPORT**  
**PAHS BY EPA METHOD 8270**

CLIENT: Griffin International  
PROJECT NAME: Granite Importers/89841323  
REPORT DATE: August 13, 1998  
DATE SAMPLED: August 13, 1998  
DATE RECEIVED: August 14, 1998  
DATE EXTRACTED: August 14, 1998

PROJECT CODE: GIGR1242  
ANALYSIS DATE: August 17, 1998  
STATION: SB-1  
REF. #: 125,590  
TIME SAMPLED: 8:40  
SAMPLER: R. Higgins

Parameter	Quantitation Limit ( $\mu\text{g/kg}$ )	Concentration as received ( $\mu\text{g/kg}$ )
Acenaphthene	50	ND
Acenaphthylene	50	ND
Acridene	50	ND
Benzo(a)anthracene	50	ND
Benzo(b,k)fluoranthene	50	ND
Benzo(a)pyrene	50	ND
Benzo(g,h,i)perylene	50	ND
Chrysene	50	ND
Dibenz(a,h)anthracene	50	ND
Fluoranthene	50	ND
Fluorene	50	ND
Indeno(1,2,3-cd)pyrene	50	ND
1-Methylnaphthalene	50	ND
2-Methylnaphthalene	50	ND
Naphthalene	50	ND
Phenanthrene	50	ND
Pyrene	50	ND

NUMBER OF UNIDENTIFIED PEAKS: 4

**Analytical Surrogate Recovery:**

Nitrobenzene-d 5:	42.9%
2-Fluorobiphenyl:	34.9%
Terphenyl-d 14:	53.9%

PERCENT SOLIDS: RTF

**NOTES:**

- 1 None detected
- 2 Result to Follow

AUG-17-1998 17:53

93%

TOTAL P.07  
P.07

AUG 18 '98 16:42

802 865 4288

PAGE.008

PROJECT GRANITE IMPORTERS  
LOCATION BARRE, VERMONT  
DATE DRILLED 8/13/98 TOTAL DEPTH OF HOLE XX  
DIAMETER 2.75"  
SCREEN DIA. NA LENGTH NA SLOT SIZE NA  
CASING DIA. NA LENGTH NA TYPE NA  
DRILLING CO. ADAMS ENGR DRILLING METHOD VIBRATORY  
DRILLER GERRY ADAMS LOG BY R. HIGGINS

WELL NUMBER SBI

Site  
Sketch

GRIFFIN INTERNATIONAL, INC

DEPTH IN FEET	WELL CONSTRUCTION	NOTES	BLOWS PER 6" OF SPOON & PID READINGS	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)	DEPTH IN FEET
0				Asphalt	0
1					1
2			2' 0.2 ppm	Damp, brown SILT with some clay, trace medium gravel, no odor.	2
3					3
4			4' 0 ppm		4
5					5
6		NATIVE BACKFILL	8' 0.2 ppm		6
7			7' 0 ppm	6.5' WATER TABLE	7
8					8
9			9' 0 ppm	Wet, gray, medium to fine SAND, no odor.	9
10			11' 0 ppm		10
11			12' 0 ppm	Wet, brown, medium GRAVEL with medium to fine SAND.	11
12		UNDISTURBED NATIVE SOIL		END OF EXPLORATION AT 12'	12
13					13
14					14
15					15
16					16
17					17
18					18
19					19
20					20
21					21
22					22
23					23
24					24
25					25





**ENDYNE, INC.**

**Laboratory Services**

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Williston, Vermont 05495  
(802) 879-4333  
FAX 879-7103

**LABORATORY REPORT  
PAH'S BY EPA METHOD 8270**

CLIENT: Griffin International  
PROJECT NAME: Granite Importers  
REPORT DATE: August 17, 1998  
DATE SAMPLED: August 13, 1998  
DATE RECEIVED: August 14, 1998  
DATE EXTRACTED: August 14, 1998

PROJECT CODE: GIGR1240  
ANALYSIS DATE: August 16, 1998  
STATION: MW-1  
REF. #: 125,586  
TIME SAMPLED: 0800  
SAMPLER: WJD

<u>Parameter</u>	<u>Quantitation Limit (µg/L)</u>	<u>Concentration (µg/L)</u>
Acenaphthene	2	ND
Acenaphthylene	2	ND
Anthracene	2	ND
Benzo(a)anthracene	2	ND
Benzo(b,k)fluoranthene	2	ND
Benzo(a)pyrene	2	ND
Benzo(ghi)perylene	2	ND
Chrysene	2	ND
Dibenz(a,h)anthracene	2	ND
Fluoranthene	2	ND
Fluorene	2	ND
Indeno(1,2,3-cd)pyrene	2	ND
1-Methylnaphthalene	2	ND
2-Methylnaphthalene	2	ND
Naphthalene	2	ND
Phenanthrene	2	ND
Pyrene	2	ND

NUMBER OF UNIDENTIFIED PEAKS: 0

**Analytical Surrogate Recovery:**

Nitrobenzene-d 5:	103.%
2-Fluorobiphenyl:	61.%
Terphenyl-d 14:	69.%

**NOTES:**

1 None detected

**ENDYNE, INC.**Laboratory Services

32 James Brown Drive  
Williston, Vermont 05495  
(802) 878-4383  
FAX 879-7103

LABORATORY REPORTEPA METHOD 8021B COMPOUNDS BY EPA METHOD 8260

CLIENT: Griffin International  
PROJECT NAME: Granite Importers  
REPORT DATE: August 17, 1998  
SAMPLER: WID  
DATE SAMPLED: August 13, 1998  
DATE RECEIVED: August 14, 1998

PROJECT CODE: GKGR1238  
ANALYSIS DATE: August 17, 1998  
STATION: MW-1  
REF.#: 125,580  
TIME SAMPLED: 8:00

<u>Parameter</u>	<u>Detection Limit (<math>\mu\text{g/L}</math>)</u>	<u>Concentration (<math>\mu\text{g/L}</math>)</u>
Benzene	1	ND
Naphthalene	5	ND
1,2,4-Trimethylbenzene	1	ND
1,3,5-Trimethylbenzene	1	ND
Ethylbenzene	1	ND
Toluene	1	ND
Xylene	2	ND
MIBK	5	ND

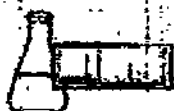
NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

ANALYTICAL SURROGATE RECOVERY:

Dibromofluoromethane: 87.8%  
Toluene-d8: 117.8%  
4-Bromofluorobenzene: 99.8%

NOTES:

1 None detected



**ENDYNE, INC.**

**Laboratory Services**

32 James Brown Drive  
Wilmington, Vermont 05495  
(802) 679-4383  
FAX 879-7103

**LABORATORY REPORT  
PAH'S BY EPA METHOD 8270**

CLIENT: Griffin International  
PROJECT NAME: Granite Importers  
REPORT DATE: August 17, 1998  
DATE SAMPLED: August 13, 1998  
DATE RECEIVED: August 14, 1998  
DATE EXTRACTED: August 14, 1998

PROJECT CODE: GIGR1240  
ANALYSIS DATE: August 16, 1998  
STATION: MW-2  
REF. #: 125,587  
TIME SAMPLED: 0815  
SAMPLER: WJD

<u>Parameter</u>	<u>Classification Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
Acenaphthene	2	ND
Acenaphthylene	2	ND
Anthracene	2	ND
Benzo(a)anthracene	2	ND
Benzo(b&k)fluoranthene	2	ND
Benzo(a)pyrene	2	ND
Benzo(ghi)perylene	2	ND
Chrysene	2	ND
Dibenz(a,h)anthracene	2	ND
Fluoranthene	2	ND
Fluorene	2	ND
Indeno(1,2,3-cd)pyrene	2	ND
1-Methylnaphthalene	2	ND
2-Methylnaphthalene	2	ND
Naphthalene	2	ND
Phenanthrene	2	ND
Pyrene	2	ND

NUMBER OF UNIDENTIFIED PEAKS: 0

**Analytical Surrogate Recovery:**

Nitrobenzene-d 5: 87.9%  
2-Fluorobiphenyl: 53.9%  
Terphenyl-d 14: 58.9%

**NOTES:**

1 None detected



**ENDYNE, INC.**

**Laboratory Services**

32 James Brown Drive  
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FAX 879-7103

**LABORATORY REPORT**

**EPA METHOD 821B COMPOUNDS BY EPA METHOD 8260**

CLIENT: Griffin International  
PROJECT NAME: Granite Importers  
REPORT DATE: August 17, 1998  
SAMPLER: WJD  
DATE SAMPLED: August 13, 1998  
DATE RECEIVED: August 14, 1998

PROJECT CODE: GIGR1238  
ANALYSIS DATE: August 17, 1998  
STATION: MW-2  
REF.#: 125,581  
TIME SAMPLED: 8:15

<u>Parameter</u>	<u>Detection Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
Benzene	1	ND
Naphthalene	5	ND
1,2,4-Trimethylbenzene	1	ND
1,3,5-Trimethylbenzene	1	ND
Ethylbenzene	1	ND
Toluene	1	ND
Xylene	2	ND
MTHB	5	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

**ANALYTICAL SURROGATE RECOVERY:**

Dibromofluoromethane:	89.%
Toluene-d8:	113.%
4-Bromofluorobenzene:	100.%

**NOTES:**

1 None detected



**ENDYNE, INC.**

**Laboratory Services**

32 James Brown Drive  
Williston, Vermont 05495  
(802) 879-4333  
FAX 879-7103

**LABORATORY REPORT**  
**PAH'S BY EPA METHOD 8270**

CLIENT: Griffin International  
PROJECT NAME: Granite Importers  
REPORT DATE: August 17, 1998  
DATE SAMPLED: August 13, 1998  
DATE RECEIVED: August 14, 1998  
DATE EXTRACTED: August 14, 1998

PROJECT CODE: GIGR1240  
ANALYSIS DATE: August 16, 1998  
STATION: MW-3  
REF. #: 125,588  
TIME SAMPLED: 0830  
SAMPLER: WJD

<u>Parameter</u>	<u>Quantitation</u> <u>Limit (ug/L)</u>	<u>Concentration</u> <u>(ug/L)</u>
Acenaphthene	2	ND <sup>1</sup>
Acenaphthylene	2	13.9
Anthracene	2	5.6
Benzo(a)anthracene	2	12.4
Benzo(b&k)fluoranthene	2	38.1
Benzo(a)pyrene	2	21.1
Benzo(ghi)perylene	2	15.3
Chrysene	2	23.1
Dibenzo(a,h)anthracene	2	6.3
Fluoranthene	2	22.1
Fluorene	2	ND
Indeno(1,2,3-cd)pyrene	2	13.3
1-Methylnaphthalene	2	ND
2-Methylnaphthalene	2	ND
Naphthalene	2	ND
Phenanthrene	2	9.5
Pyrene	2	32.0

NUMBER OF UNIDENTIFIED PEAKS: >10

**Analytical Surrogate Recovery:**

Nitrobenzene-d 5:	92.%
2-Fluorobiphenyl:	29.%
Terphenyl-d 14:	66.%

**NOTES:**

1 None detected

AUG-18-1998 09:08

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802 865 4288 P.06

**ENDYNE, INC.**Laboratory Services

32 James Brown Drive  
Wilmington, Vermont 05495  
(802) 879-4333  
FAX 879-7103

LABORATORY REPORTEPA METHOD 8021B COMPOUNDS BY EPA METHOD 8260

CLIENT: Griffin International  
PROJECT NAME: Granite Importers  
REPORT DATE: August 17, 1998  
SAMPLER: WJD  
DATE SAMPLED: August 13, 1998  
DATE RECEIVED: August 14, 1998

PROJECT CODE: GIGR1238  
ANALYSIS DATE: August 17, 1998  
STATION: MW-3  
REF.#: 125,582  
TIME SAMPLED: 8:30

<u>Parameter</u>	<u>Detection Limit (<math>\mu\text{g/L}</math>)</u>	<u>Concentration (<math>\mu\text{g/L}</math>)</u>
Benzene	1	ND
Naphthalene	5	ND
1,2,4-Trimethylbenzene	1	ND
1,3,5-Trimethylbenzene	1	ND
Ethylbenzene	1	ND
Toluene	1	ND
Xylene	2	ND
MTBE	5	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

## ANALYTICAL SURROGATE RECOVERY:

Dibromofluoromethane:	91%
Toluene- $d_8$ :	100%
4-Bromofluorobenzene:	101%

## NOTES:

1 None detected

AUG-17-1998 17:52

94%

P.06

AUG 18 '98 08:55

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AUG-18-1998 09:09

4

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**ENDYNE, INC.****Laboratory Services**

32 James Brown Drive  
Williston, Vermont 05495  
(802) 879-4333  
FAX 879-7103

**LABORATORY REPORT****TOTAL PETROLEUM HYDROCARBONS (TPH) BY MODIFIED EPA METHOD 8015**

DATE: August 17, 1998  
CLIENT: Griffin International  
PROJECT: Granite Importers  
PROJECT CODE: GIGR1239  
COLLECTED BY: WJE  
DATE SAMPLED: August 13, 1998  
DATE RECEIVED: August 14, 1998

Reference #	Sample ID	Concentration (mg/L) <sup>1</sup>
125,583	MW-1; 8:00	ND <sup>2</sup>
125,584	MW-2; 8:15	ND
125,585	MW-3; 8:30	ND

**Notes:**

1. Method detection limit is 0.1 mg/L.
2. None detected.

AUG-17-1998 17:53

94%

P.06

AUG 18 '98 08:55

802 865 4288

PAGE.007

**Liquid Level Monitoring Data**  
**Granite Importers**  
**Barre, VT**

**Monitoring Date: 8/13/98**

Well I.D.	Top of Casing Elevation	Depth To Product	Depth To Water
MW-1	unknown	-	4.86
MW-2	unknown	-	6.08
MW-3	unknown	-	5.95

All measurements in units of feet



# SECOR

*International Incorporated*

August 5, 1998

Mr. Mike Sack  
GE Capital  
Small Business Finance Corp.  
One Middle Street  
Portsmouth, NH 03801

**RE: UST REMOVAL MONITORING  
FOR THE GRANITE IMPORTERS PROPERTY  
SOUTH VINE STREET  
BARRE, VERMONT**

Dear Mr. Sack:

SECOR International Incorporated (SECOR) is pleased to present this summary of the Underground Storage Tank (UST) Removal Monitoring that was conducted at the above referenced property. This investigation was undertaken at the request of GE Capital's Small Business Finance Unit in an effort to document the removal of a 5,500-gallon gasoline UST and evaluate any potential adverse environmental impact. The UST was estimated to be 20 years old. SECOR was on-Site to document the removal activities and obtain confirmatory soil samples for subsequent laboratory analysis.

SECOR mobilized to the Site on July 22, 1998 in order to document the UST removal. Granite Importers independently retained Ostrout Petroleum to pump the UST contents and conduct the UST removal and Site restoration. On July 21, 1998 approximately 200-gallons of gasoline was pumped from the UST to be removed. This gasoline was transferred into a new 12,000-gallon UST located in another area of the Site. The pump dispenser and piping was also dismantled on July 21, 1998. The UST was removed on July 22, 1998.

Soils encountered at the Site included approximately 6 inches of fill. Gravelly sand was observed from a depth of 6 inches below ground surface (bgs) to approximately 6 feet bgs. Silty sand was encountered from 6 feet bgs to the bottom of the excavation at approximately 9 feet bgs. Groundwater was encountered at a depth of approximately 7 feet. A petroleum sheen was not observed on the groundwater.

Soils were field-screened during excavation activities using a photoionization detector (PID) to measure the headspace VOC concentration of each sample. In addition, the soil was visually inspected for discoloration and staining. The results of the headspace screening indicated detectable headspace readings in the soils from around the fill pipe area and from the base of the north end of the excavation. Headspace from around the fill pipe ranged from 3 parts per million (ppm) to 9 ppm. Headspace from the north base of the excavation ranged from 21 ppm to 49 ppm. No detectable headspace readings were obtained in the remainder of the excavation.

GE CAPITAL/BARRE, VT11

One soil sample was obtained from each sidewall and one soil sample was obtained from the base of the excavation. All soil samples were submitted for laboratory analysis to Endyne, Inc. of Williston, Vermont. The soil samples from each sidewall were obtained from the approximate lowest depth of the removed UST (approximately 7-8 feet bgs). All soil samples were analyzed for total petroleum hydrocarbons (TPH) via Modified EPA Method 8015 and volatile organic compounds (VOCs) via EPA Method 8021B. Soil sample locations are shown on the attached figure and analytical methodologies are outlined in the attached laboratory report.

Based on the results of the headspace screening, notification was made to the Vermont Department of Environmental Conservation (VTDEC). Permission was granted by the VTDEC to backfill the excavation and proceed with laboratory analysis of the confirmatory soil samples. A copy of this report should be submitted to VTDEC.

The results of the laboratory analysis did not indicate the presence of VOCs in the soil samples. Low concentrations of TPH was identified in three of the five samples. The TPH concentrations detected ranged from 2.3 ppm to 6.8 ppm. These concentrations are likely representative of residual historical overfills from the UST or an upgradient source. A confirmed gasoline release from the upgradient Rossi Trucking was reported to SECOR by Granite Importers. Based on the low concentrations of TPH, no significant adverse environmental impact is anticipated. No further investigation is recommended at this time.

The conclusions presented in this report are professional opinions based on data described in this report. These opinions have been arrived at in accordance with currently accepted hydrogeologic and engineering standards and practices applicable to this location, and are subject to the attached inherent limitations.

If you require additional information, please do not hesitate to contact the undersigned.

Sincerely,  
SECOR International Incorporated

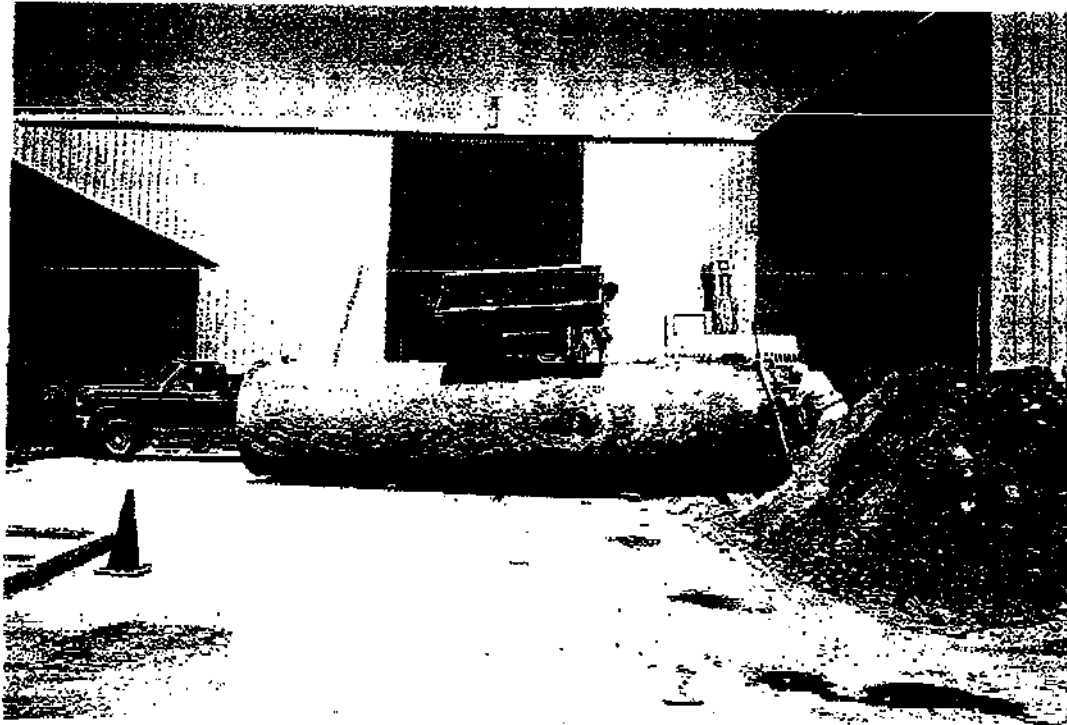


Kristine A. Gilson  
Senior Environmental Geologist

Attachments: Site Plan  
Laboratory Report  
Photographs  
Limitations Disclosure

## LIMITATIONS

1. *SECOR* derived the data in this report primarily from visual inspections, examination of records in the public domain, and interviews with individuals having information about the site. The passage of time, manifestation of latent conditions, or occurrence of future events may require further study at the site, analysis of the data, and reevaluation of the findings, observations, and conclusions in the report.
2. The data reported and the findings, observations, and conclusions expressed in the report are limited by the scope of work. The scope of work was prescribed by GECC.
3. Because of the limitations stated above, the findings, observations, and conclusions expressed by *SECOR* in this report are not, nor should not be, considered an opinion concerning the compliance of any past or present owner or operator of the site with any federal, state, or local law or regulation.
4. No warranty or guarantee, whether express or implied, is made with respect to the data reported of findings, observations, and conclusions that are based solely upon site conditions in existence at the time of investigation.
5. *SECOR* Phase I ESA Reports present professional opinions and findings of a scientific and technical nature. The report shall not be construed to offer legal opinion or representations as to the requirements of, nor compliance with, environmental laws, rules, regulations, or policies of federal, state, or local government agencies. Any use of the Phase I report constitutes acceptance of the limits of *SECOR*'s liability. *SECOR*'s liability extends only to its client and not to any other parties who may obtain the Phase I report.
6. The conclusions presented in this report are professional opinions based on data described in this report. They are intended only for the purpose, site location, and project indicated. This report is not a definitive study of contamination at the site and should not be interpreted as such. An evaluation of subsurface soil and groundwater conditions was not performed as part of this investigation. No sampling or chemical analyses of structural materials or other media was completed as part of this study unless explicitly stated.
7. This report is based, in part, on unverified information supplied to *SECOR* by third-party sources. While efforts have been made to substantiate this third-party information, *SECOR* cannot guarantee its completeness or accuracy.

**SECOR  
PHOTOGRAPHIC RECORD****SITE:** Granite Importers**LOCATION:** Bate, VT**PHOTOGRAPHER:** K. Gilson**DATE:** July 22, 1998**PICTURE ID:** 5

Subject: View showing removed UST.

SECOR  
PHOTOGRAPHIC RECORD

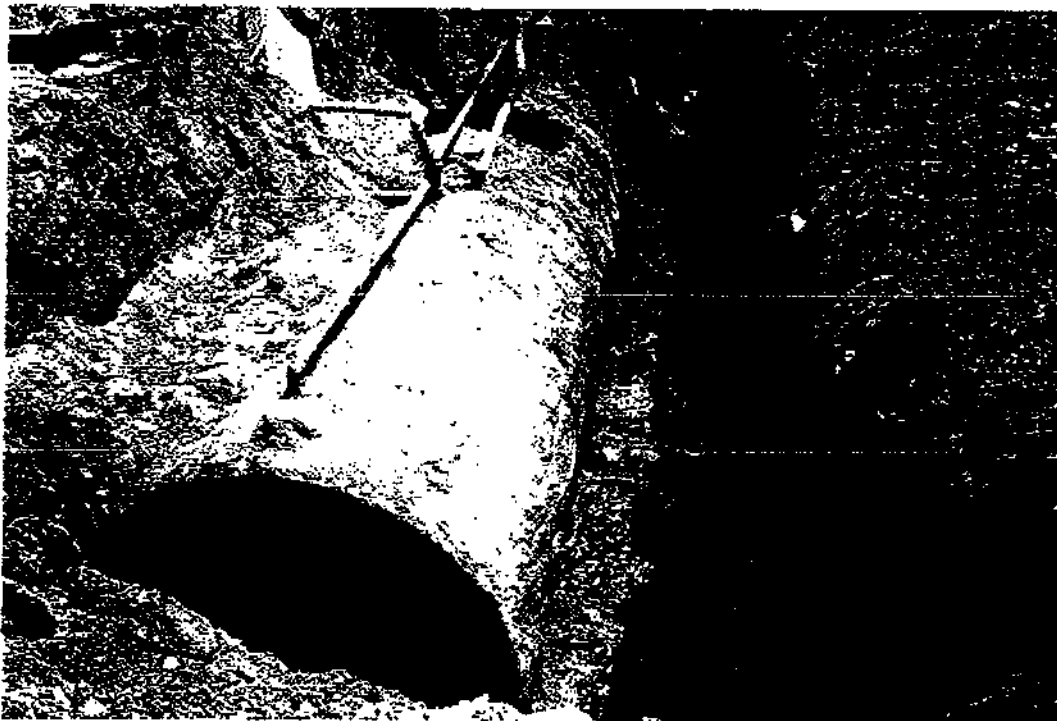
SITE: Granite Importers

LOCATION: Barre, VT

PHOTOGRAPHER: K. Gilson

DATE: July 22, 1998

PICTURE ID: 3



Subject: View showing partially uncovered UST.

PICTURE ID: 4



SUBJECT: View showing UST excavation upon removal.

**SECOR  
PHOTOGRAPHIC RECORD****SITE :** Granite Importers**LOCATION:** Barre, VT**PHOTOGRAPHER:** K. Gilon**DATE:** July 22, 1998**PICTURE ID: 1****Subject:** View looking north showing area of UST prior to initiation of excavation activities.**PICTURE ID: 2****SUBJECT:** View showing partially uncovered UST.

08-04-1998 04:35AM FROM ENDYNE, INC

TO

17818780052 P.03

**ENDYNE, INC.**Laboratory Services

32 James Brown Drive  
Williston, Vermont 05495  
(802) 879-4333  
FAX 878-7103

LABORATORY REPORTEPA METHOD 8021B COMPOUNDS BY GC/MS SOIL MATRIX

CLIENT: Sacor International  
PROJECT NAME: GECC - Barre, VT  
REPORT DATE: August 3, 1998  
DATE SAMPLED: July 22, 1998  
DATE RECEIVED: July 22, 1998  
ANALYSIS DATE: August 3, 1998

PROJECT CODE: SIG1834  
REF #: 124,518  
STATION: W Wall  
TIME SAMPLED: Not Indicated  
SAMPLER: Kris Gilson

<u>Parameter</u>	<u>Detection Limit</u> <u>as received (ug/kg)</u>	<u>Result</u> <u>as received (ug/kg)</u>
Benzene	10.	ND <sup>1</sup>
Ethylbenzene	10.	ND
Naphthalene	50.	ND
Toluene	10.	ND
1,2,4-Trimethylbenzene	10.	ND
1,3,5-Trimethylbenzene	10.	ND
Total Xylenes	20.	ND
MTBE	20.	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: >10<sup>3</sup>ANALYTICAL SURROGATE RECOVERY:

Dibromofluoromethane : 101. %  
Toluene-d8 : 105. %  
4-Bromofluorobenzene : 102. %

NOTES:

1 None detected

2 TPH value by modified EPA Method 8015 is 2.3 mg/kg. Method detection limit is 1.0 mg/kg

08-04-1998 04:35AM FROM ENDYNE, INC

TO

1781870052 P.04

**ENDYNE, INC.**Laboratory Services

32 James Brown Drive  
Williston, Vermont 05495  
(802) 879-4333  
FAX 879-7103

LABORATORY REPORTEPA METHOD 8021B COMPOUNDS BY GC/MS SOIL MATRIX

CLIENT: Sedor International  
PROJECT NAME: GECC - Barre, VT  
REPORT DATE: August 3, 1998  
DATE SAMPLED: July 22, 1998  
DATE RECEIVED: July 22, 1998  
ANALYSIS DATE: August 3, 1998

PROJECT CODE: SIG11834  
REF #: 124,519  
STATION: E Wall  
TIME SAMPLED: Not Indicated  
SAMPLER: Kris Gibson

<u>Parameter</u>	<u>Detection Limit</u> <u>as received (ug/kg)</u>	<u>Result</u> <u>as received (ug/kg)</u>
Benzene	10.	ND <sup>1</sup>
Ethylbenzene	10.	ND
Naphthalene	50.	ND
Toluene	10.	ND
1,2,4-Trimethylbenzene	10.	ND
1,3,5-Trimethylbenzene	10.	ND
Total Xylenes	20.	ND
MIBK	20.	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: >10<sup>3</sup>ANALYTICAL SURROGATE RECOVERY:

Dibromofluoromethane : 111.%  
Toluene-d8 : 107.%  
4-Bromofluorobenzene : 102.%

NOTES:

1 None detected

2 TPH value by modified EPA Method 8015 is 6.8 mg/kg. Method detection limit is 1.0 ug/kg.





**ENDYNE, INC.**

**Laboratory Services**

32 James Brown Drive  
Wilmington, Vermont 05495  
(802) 879-4333  
FAX 879-7103

**LABORATORY REPORT**

**EPA METHOD 8021B COMPOUNDS BY GC/MS SOIL MATRIX**

CLIENT: Sedor International  
PROJECT NAME: GECC - Barre, VT  
REPORT DATE: August 3, 1998  
DATE SAMPLED: July 22, 1998  
DATE RECEIVED: July 22, 1998  
ANALYSIS DATE: August 3, 1998

PROJECT CODE: SIG11834  
REF #: 124,516  
STATION: N Wall  
TIME SAMPLED: Not Indicated  
SAMPLER: Kris Gilson

<u>Parameter</u>	<u>Detection Limit</u> <u>as received (ug/kg)</u>	<u>Result</u> <u>as received (ug/kg)</u>
Benzene	10.	ND <sup>1</sup>
Ethylbenzene	10.	ND
Naphthalene	50.	ND
Toluene	10.	ND
1,2,4-Trimethylbenzene	10.	ND
1,3,5-Trimethylbenzene	10.	ND
Total Xylenes	20.	ND
MTBE	20.	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0<sup>2</sup>

**ANALYTICAL SURROGATE RECOVERY:**

Dibromofluoromethane : 107.5%  
Toluene-d8 : 115.5%  
4-Bromofluorobenzene : 94.5%

**NOTES:**

1 None detected

2 TPH value by modified EPA Method 8015 is none detected. Method detection limit is 1.0 ug/kg.



# ENDYNE, INC.

## Laboratory Services

32 James Brown Drive  
Williston, Vermont 05495  
(802) 879-4333  
FAX 879-7103

### LABORATORY REPORT

#### EPA METHOD 8015 COMPOUNDS BY GC/MS SOIL MATRIX

CLIENT: Secor International  
PROJECT NAME: GECC - Banc, VT  
REPORT DATE: August 3, 1998  
DATE SAMPLED: July 22, 1998  
DATE RECEIVED: July 22, 1998  
ANALYSIS DATE: August 3, 1998

PROJECT CODE: SIG11834  
REF #: 124,517  
STATION: S Wall  
TIME SAMPLED: Not Indicated  
SAMPLER: Kris Gibson

<u>Parameter</u>	<u>Detection Limit as received (ug/kg)</u>	<u>Result as received (ug/kg)</u>
Benzene	10.	ND <sup>1</sup>
Ethylbenzene	10.	ND
Naphthalene	50.	ND
Toluene	10.	ND
1,2,4-Trimethylbenzene	10.	ND
1,3,5-Trimethylbenzene	10.	ND
Total Xylenes	20.	ND
MTBE	20.	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: > 10<sup>2</sup>

#### ANALYTICAL SURROGATE RECOVERY:

Dibromofluoromethane : 109.%

Toluene-d8 : 112.%

4-Bromofluorobenzene : 100.%

#### NOTES:

1 None detected

2 TPH value by modified EPA Method 8015 is trace below quantitation limit. Method detection limit is 1.0 ug/kg.

**ENDYNE, INC.**Laboratory Services

32 James Brown Drive  
Williston, Vermont 05495  
(802) 879-4333  
FAX 879-7103

LABORATORY REPORTEPA METHOD 8021B COMPOUNDS BY GC/MS SOIL MATRIX

CLIENT: Seacor International  
PROJECT NAME: GECC - Barre, VT  
REPORT DATE: August 3, 1998  
DATE SAMPLED: July 22, 1998  
DATE RECEIVED: July 22, 1998  
ANALYSIS DATE: August 3, 1998

PROJECT CODE: SIOH834  
REF.#: 124515  
STATION: Bottom  
TIME SAMPLED: Not Indicated  
SAMPLER: Kris Gilson

<u>Parameter</u>	<u>Detection Limit</u> <u>as received (ug/kg)</u>	<u>Result</u> <u>as received (ug/kg)</u>
Benzene	10.	ND <sup>1</sup>
Ethylbenzene	10.	ND
Naphthalene	50.	ND
Toluene	10.	ND
1,2,4-Trimethylbenzene	10.	ND
1,3,5-Trimethylbenzene	10.	ND
Total Xylenes	20.	ND
MTBE	20.	ND

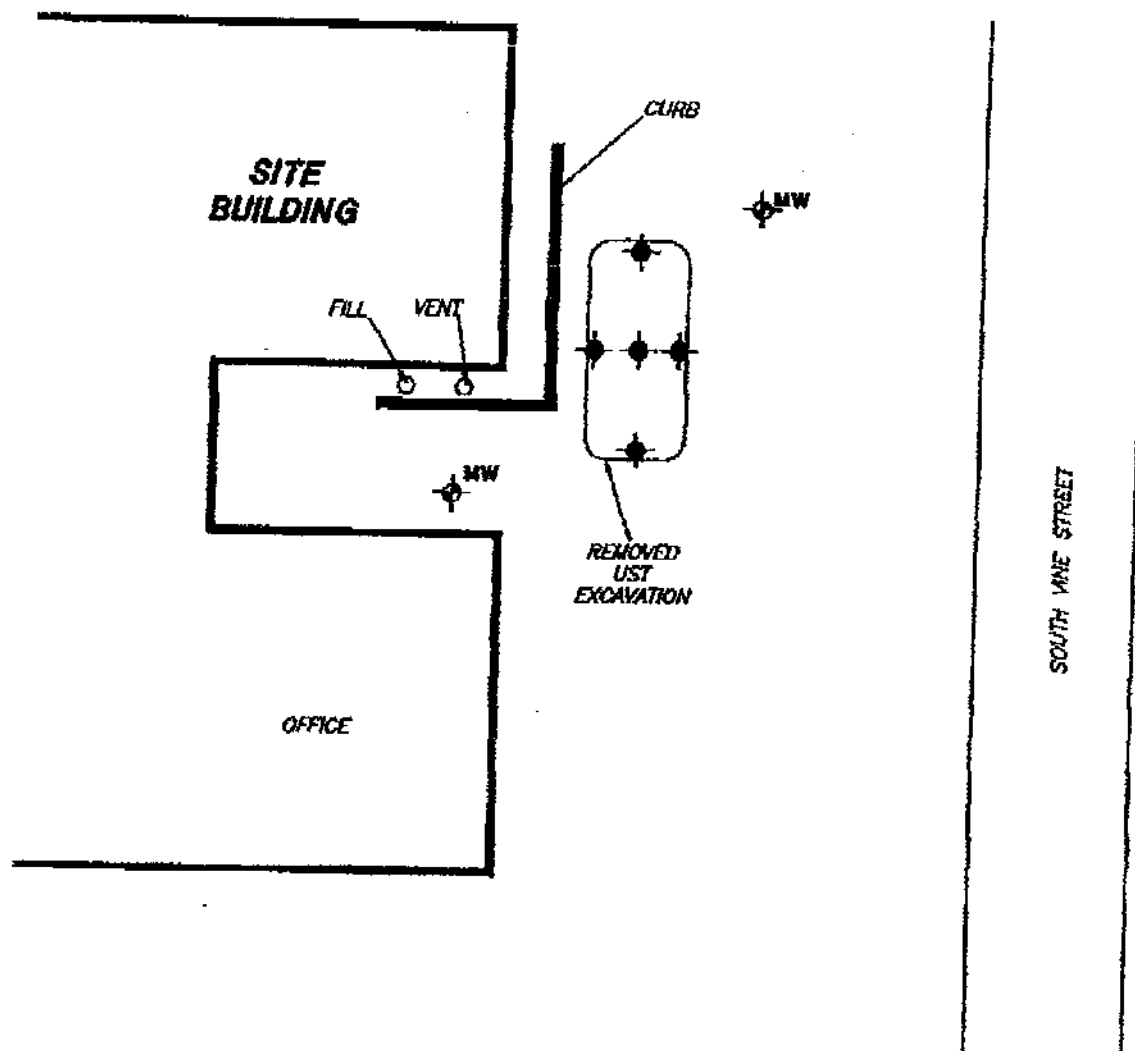
NUMBER OF UNIDENTIFIED PEAKS FOUND: >10<sup>3</sup>ANALYTICAL SURROGATE RECOVERY:

Dibromofluoromethane : 110.%  
Toluene-d8 : 105.%  
4-Bromofluorobenzene : 92.%

NOTES:

1 None detected

2 TPH value by modified EPA Method 8015 is 3.6 mg/kg. Method detection limit is 1.0 mg/kg

**LEGEND**

SOIL SAMPLE LOCATION



MONITORING WELL LOCATION

North

NOTE: NOT TO SCALE.

**SECOR**  
International Incorporated**SITE PLAN  
WITH SOIL SAMPLE LOCATIONS  
GRANITE IMPORTERS  
10 SOUTH VINE STREET  
BARRE, VERMONT**

FIGURE:

JOB#: 8533-018-01

APPR:

DWN: SES

DATE: 07/28/98